

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the captioned application.

Listing of Claims:

Claims 1 – 20 (Canceled)

Claim 21. (Previously presented) An apparatus for explosively severing a length of pipe, said apparatus comprising:

- (a) a tubular housing having an internal barrel space for receiving an axial column of explosive material between a resiliently biased detonator housing at one end of said tubular housing and a selectively removable end plug at an opposite end of said tubular housing;
- (b) a first electrically initiated detonator positioned in said detonator housing and disposed to bear upon one end of said column of explosive material by said detonator housing bias;
- (c) a second electrically initiated detonator positioned in said removable end plug and disposed to bear upon an opposite end of said column of explosive;
- (d) a capacitive firing cartridge within said tubular housing; and,
- (e) electrical conduits connecting said capacitive firing cartridge with said first and second detonators whereby said removable end plug may be detached from said tubular housing without disconnecting electrical continuity between said capacitive firing cartridge and said detonators.

Claim 22. (Previously Presented) An apparatus as described by claim 21 wherein said axial column of explosive is unitized about a substantially central rod structure having a length greater than said axial column of explosive.

Claim 23. (Previously Presented) An apparatus as described by claim 21 wherein said end plug is selectively removable from said tubular housing to load a column of explosive material into said internal barrel space.

Claim 24. (Previously Presented) An apparatus as described by claim 23 wherein said end plug further includes an aperture for receiving a length of said central rod structure greater than a length of said axial column of explosive.

Claim 25. (Previously Presented) An apparatus as described by claim 21 wherein said detonator housing is resiliently biased by a spring within said tubular housing to compressively confine said column of explosive material between said detonator housing and said removable end plug.

Claim 26. (Previously Presented) An apparatus as described by claim 22 wherein said axial column of explosive material comprises a plurality of high explosive pellets aligned about said central rod structure.

Claims 27 – 33 (Canceled)